## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.  | / DATE |             |
|---------------------------|----------|---------|--------|-------------|
| FEE DETERMINATION         | LINA -   |         | 1/3/a  | <del></del> |
| O.I.P.E. CLASSIFIER       |          |         | 10/27/ | 10          |
| FORMALITY REVIEW          | F-11     | 1001315 | 3/0/   | 77          |
| RESPONSE FORMALITY REVIEW |          | (0-13)  | 770    |             |

## INDEX OF CLAIMS

| ✓ Rejected                   | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | Interference  |
| — (Through numeral) Canceled | A Appeal      |
| ÷ Restricted                 | 0 Objected    |

|      | Cla           | im                               |  |          |              |              | Dat          | e        |              |                 |          | _                  |
|------|---------------|----------------------------------|--|----------|--------------|--------------|--------------|----------|--------------|-----------------|----------|--------------------|
|      |               |                                  |  |          | İ            |              | - 1          | -        |              |                 |          | i                  |
| 1    | Final         | į                                |  |          | - 1          | ١            | - 1          |          | ı            | - [             |          | -                  |
| i    | Ŀ             | ્                                | _  |          | _            | 4            |              |          | $\dashv$     | $\dashv$        | 4        |                    |
|      |               | 2) 0 4 0 0 C                     | V  |          | $\dashv$     | -            |              | $\dashv$ | -            | 4               | $\dashv$ | $\dashv$           |
|      | 1             | [4                               |  |          | -            | $\dashv$     |              |          | -            | $\dashv$        | 4        |                    |
| ٠.   |               | ٦                                | 쉬  | _        | _            | $\dashv$     | _            |          |              | -               | -        | $\dashv$           |
|      |               | 4                                | Y  | -        |              |              |              |          | ┥            | -1              | $\dashv$ |                    |
| •    | -             | 2                                | $\mathcal{F}$                                    |          |              | $\dashv$     | -            |          | $\dashv$     | $\dashv$        | $\dashv$ | $\dashv$           |
| . :  | 6             | بې                               | -  |          |              | ┥            |              | -        | 一            |                 | -        | ᅱ                  |
| "    | ۳             | 8                                | Ĭ  |          |              |              | _            |          | $\dashv$     | $\dashv$        | -        | ᅱ                  |
| 5.   | H             | ö                                | Ĭ  | -        |              | -            | _            | $\vdash$ | ┪            | -               | $\dashv$ | 一                  |
|      |               | 9<br>10<br>11                    | J  | _        | $\vdash$     | -            |              | Н        | ᅱ            | $\dashv$        | ᅱ        | $\dashv$           |
|      | H             | 11                               |  | -        | -            | $\vdash$     | 6            | -        | $\dashv$     | _               | ᅥ        | $\neg$             |
| ٠.   | -             | 12                               | J  | H        | H            | Н            | 1            | Н        | $\dashv$     | $\dashv$        | $\dashv$ | $\dashv$           |
| <br> | $\vdash$      | 13                               | ママト  | Н        | H            | H            | 1            | Н        | $\dashv$     |                 | -        | $\dashv$           |
|      | <del> -</del> | 14                               | Ż  |          |              | -            | -            | Н        | Н            |                 |          | Н                  |
| - 1  |               | 15                               | ₩  | $\vdash$ | -            |              |              | Н        |              | _               |          |                    |
|      | Η.            | 12<br>13<br>14<br>15<br>16<br>17 | <u> </u>   | $\vdash$ |              | Н            |              | ,        | Н            |                 |          | П                  |
|      | }_            | 17                               | <del>                                     </del> | $\vdash$ | -            | ┢            | Ι.           | 1        |              |                 |          |                    |
| 1    | $\vdash$      | 18                               | -  | -        |              |              | <del> </del> | 1        |              |                 |          |                    |
| L    | 1             | 19                               |  | $\vdash$ | 一            | -            |              | 5        | _            |                 | _        |                    |
|      |               | 20                               | 1  | Н        |              | ┢            | r            | 1        |              |                 | _        | Г                  |
|      | H             | 21                               | -  | Η.       | -            | -            | ┢╌           | -        |              | _               | -        | $\vdash$           |
|      |               | 22                               | H  | 1        | $\vdash$     | -            | $\vdash$     | t        | -            | _               | _        | М                  |
|      | H             | 23                               | ✝  | ├-       | $\vdash$     | $\vdash$     |              | $\vdash$ |              | -               | $\vdash$ |                    |
|      | $\vdash$      | 22<br>23<br>24                   | $\vdash$   | $\vdash$ | <del> </del> | 1            | ┢            | 1        | $\vdash$     |                 | -        |                    |
|      | 1             | 25                               | $\vdash$   | 1        |              |              |              | 1        |              | ┈               | _        | Г                  |
|      | Н             | 25<br>26                         | -  | ╁        | T            |              | -            |          |              | -               |          | Ι                  |
| ٠.   | -             | 27                               |  |          | T            | T            |              | 1        | Г            |                 | Г        | 一                  |
| -    |               | 27<br>28                         | Г  | Г        | 1            | Г            |              |          | Γ            |                 | Г        |                    |
|      | F             | 29                               |  | T        |              |              | 1            | Т        |              |                 |          | Γ                  |
|      | Г             | 30                               |  | T        |              |              | T            | Τ        |              |                 | Γ        | Г                  |
|      | $\vdash$      | 31                               |  |          |              | Г            |              | Г        |              |                 | Г        |                    |
|      | Г             | 32                               | 7  | T        |              | Γ            | Π            | Т        |              | Γ               | Г        |                    |
|      | -             |                                  |  | Ī        |              |              |              |          |              |                 |          |                    |
|      |               | 34                               | 1  |          |              |              | Γ            |          |              |                 |          | 匚                  |
|      |               | 35<br>36                         | Γ  |          |              |              |              |          |              |                 | Ĺ        | Ĺ                  |
|      |               |                                  |  |          | L            |              |              |          |              |                 |          | $\perp$            |
| į.   | L             | 37                               |  | L        |              | L            | L            | $\perp$  | <u> </u>     |                 | L        | 1                  |
|      | L             | 38                               |  | L        | 1            | L            | <b>!</b> _   | $\perp$  | _            | $oxed{igspace}$ | Ļ        | 4                  |
| ٠.   | L             | 39                               |  | L        | 1            | _            | _            | ـــ      | <del> </del> | L               | 1        | ↓_                 |
|      | L             | 40                               |  | L        | <u> </u>     | 1            | 1_           | $\perp$  |              | <u> </u>        | L        | 1_                 |
|      | L             | 41                               |  | L        | $\perp$      | L            | L            | ┺        | 1_           | L               | L        |                    |
|      | L             | 42                               | _  | _        | ┖            | L            | L            | _        | <u> </u>     | _               | 1        | ┺                  |
| e i  |               | 43                               | +  | L        | $\perp$      | L            | L            |          | _            | L               | L        | L                  |
| :1   | L             | 44                               | -  | L        | $\perp$      | $oxed{oxed}$ | L            |          | $oxed{oxed}$ | L               | $\perp$  | $\perp$            |
|      | $\Gamma$      | 45                               | +  |          | L            | ļ            | L            | 1        |              |                 | L        | 1                  |
|      |               | 46                               | -  | L        | ↓            | L            | <u>L</u>     | 1_       | _            | L               | L        | $\perp$            |
|      | L             | 47                               | -  | L        | _            | L            | L            | 1_       | _            | $oxed{oxed}$    | $\perp$  | _                  |
|      | Ľ             | 48                               | -  | L        | L            | L            | L            | 1        | L            | L               | 1        | L                  |
|      | L             | 49                               | +  | L        | <u> </u>     | <u> </u>     | $\perp$      | ┺        | $\perp$      | <u> </u>        | ┖        | $oldsymbol{\perp}$ |
|      | L             | 50                               | جلا  |          |              | Ļ            |              | 1_       | L            | <u></u>         | _        | L                  |
|      |               |                                  |  |          |              |              |              |          |              |                 |          |                    |

| t        | test     | rict     | ed           |   |          |   |   |     | 0         | ••           | ••••     | ••••    | ••• | • • • •   | •• |
|----------|----------|----------|--------------|---|----------|---|---|-----|-----------|--------------|----------|---------|-----|-----------|----|
| Cla      | im       |          |              |   |          |   | 0 | at  | e         | _            |          |         |     |           |    |
|          | -es      | T        |              | ſ | T        |   | Γ | T   |           | ſ            | T        |         | Γ   | T         | _  |
| ᅙ        | Original | Į        |              | 1 | 1        |   | 1 | ١   |           | l            | - }      |         |     | 1         |    |
| Final    | ŏ        |          |              |   |          |   | ١ | - 1 |           | Ĺ            | İ        |         |     | 1         |    |
|          | 51       | $\neg$   |              | t | 7        |   | T | 7   |           | †            | 1        |         | T   | 1         | _  |
| _        | 52       | 一        |              | t | 7        |   | t | 7   | _         | +            | -        |         | ۲   | +         | ~  |
|          | 53       |          |              | t | 1        |   | t | 7   | _         | $^{\dagger}$ | 7        |         | ┢   | $\dagger$ | -  |
|          | 54       |          |              | t | ┪        |   | t |     | _         | +            | $\dashv$ |         | t   | +         |    |
| _        | 55       |          |              | t | 7        |   | t |     | r         | +            | 7        | _       | t   | +         |    |
|          | 56       |          |              | t | ┪        |   | t |     | Н         | t            | _        |         | t   | +         | _  |
| _        | 57       |          |              | t | 7        |   | t | _   | ┪         | †            | _        | _       | †   | 7         | _  |
| _        | 58       | Н        |              | t | 7        | _ | t | _   | Т         | t            |          |         | t   | 1         | _  |
| _        | 59       | $\vdash$ | -            | t | 7        |   | t | _   | Т         | †            |          | H       | t   | 7         |    |
|          | 60       |          | _            | t | 7        |   | † |     | t         | t            | -        | Н       | t   | 1         |    |
|          | 61       | Н        | Н            | t | -        | _ | t |     | ┪         | +            | _        | Н       | t   | 7         | -  |
|          | 62       | -        | H            | t | -        |   | † |     | ┢         | +            | _        |         | t   | 7         | _  |
|          | 63       | -        | H            | t | -        | _ | † | -   | 1         | +            | _        | ┢       | t   | ┪         | -  |
|          | 64       |          | -            | t |          |   | + | _   | ✝         | 7            |          | -       | †   | ┪         |    |
| _        | 65       | ┝        | -            | † | _        | H | + | _   | ╁╴        | +            |          | -       | t   | ┪         | -  |
| _        | 66       | ┢        | ┪            | † | _        | H | + |     | ╁╴        | +            |          | H       | †   | ᅥ         | -  |
|          | 67       | $\vdash$ | ├            | + | _        | ┝ | + |     | ╁         | +            |          | +       | +   | $\dashv$  |    |
|          | 68       | ⊢        | ╁╌           | + |          | H | + | -   | ╁         | +            |          | ╁       | ╅   | -         | -  |
| H        | 69       | $\vdash$ | $\vdash$     | + |          | Н | + | -   | ╁         | +            | _        | H       | †   | ٦         |    |
|          | +        | +        | ┝            | ┨ |          | - | + |     | ╁         | $\dashv$     | -        | ╁       | +   | -         | H  |
|          | 70       | ļ_       | 1            | 4 | _        | L | 4 | _   | ╀         | 4            | _        | ╀       | 4   | _         | Ļ  |
| L        | 71       | <b>⊢</b> | L            | 4 |          | L | 4 |     | +         | 4            |          | ╀       | 4   |           | ŀ  |
| <u> </u> | 72       |          | ┞            | 4 |          | L | 4 |     | 1         | 4            |          | ╀       | 4   |           | ŀ  |
| _        | 73       | _        | L            | 4 |          | L | 4 |     | 4         |              | _        | ╀       | 4   |           | L  |
| ļ        | 74       | -        | 1            | 4 |          | L | 4 | _   | +         | -            | _        | ╀       | 4   | _         | ŀ  |
| L        | 75       | -        | ╀            | 4 |          | L |   |     | ╀         | -            |          | ╀       | 4   | _         | ŀ  |
| L        | 76       | -        | 1            | 4 |          | Ļ | 4 |     | 1         |              | <u> </u> | ╀       | _   |           | ŀ  |
| L        | 77       | _        | L            | _ | _        | L | 4 |     | 4         | _            | L        | 1       | 4   |           | ļ  |
| L        | 78       | _        | L            |   |          | L | 4 | _   | 4         | _            |          | 1       | 4   |           | ļ  |
| L        | 79       |          | L            |   |          | L |   |     | 1         | _            |          | ↓       | 4   |           | 1  |
| L        | 80       | _        | L            |   |          | L | 4 |     | $\perp$   |              | L        | 1       | 4   |           | ļ  |
| L        | 81       | _        | L            |   |          | L | _ | _   | 1         | _            | L        | 1       | _   | _         | ļ  |
| L        | 82       |          | $\perp$      |   | _        | L |   | _   | 1         |              | L        | 1       | _   |           | L  |
| L        | 83       | _        | $\downarrow$ |   |          | L | _ | _   | 1         |              | L        | 1       |     |           | Į  |
| L        | 84       | -        | L            |   |          | L |   |     | 1         |              | L        | 1       |     | _         | ļ  |
| Ĺ        | 85       |          |              |   | L        | L |   | _   | 1         |              | L        | ┸       |     |           | 1  |
| L        | 86       | 1_       |              |   | L        | 1 |   | _   | 1         | _            | L        | 1       |     |           | 1  |
| L        | 87       |          |              |   | L        | L |   |     | 1         |              | _        | 1       |     |           | 1  |
|          | 88       | 止        | L            |   | L        | L |   | _   | 1         |              | L        | ┸       | _   | _         | ļ  |
| L        | 89       |          | L            |   |          | L |   | L   | 1         |              | L        | $\perp$ |     | _         | 1  |
| Γ        | 90       |          |              | _ | ]        | L |   |     |           |              | L        |         |     |           | 1  |
|          | 91       |          |              |   |          | Γ |   | Γ   | T         |              | Γ        | Ţ       |     | Ĺ         | ſ  |
| -        | 92       | 1        | Ť            | _ |          | T | _ | Γ   | 7         |              |          | T       |     |           | 1  |
| -        | 93       | _        | $\dagger$    |   | r        | t | _ | Г   | 7         |              | T        | 1       | _   | Γ         | 1  |
| $\vdash$ | 94       | -        | +            |   | Г        | † | _ | -   | †         |              | T        | +       | _   |           | 1  |
| -        | 95       |          | $^{+}$       |   | $\vdash$ | t |   | ┪   | +         |              | T        | +       |     | Г         | †  |
| 1        | 96       |          | +            |   | ┢        | + |   | H   | $\dagger$ |              | +        | +       | _   | T         | †  |
| $\vdash$ | 97       | -        | +            | - | $\vdash$ | + |   | 1   | $\dagger$ | _            | T        | +       | _   | Τ         | †  |
| $\vdash$ | 98       | _        | ╁            |   | $\vdash$ | + |   | 1   | +         | -            | ╁        | +       | _   | $\vdash$  | †  |
| 1        | 120      | 1        | 1            |   | ı        | 1 |   | 1   | - 1       |              | 1_       | 丄       |     | _         | 1  |

| Cia      | ım                     |                         |          |   |   |   | Des      | 0  |   |    |          |        |          |    |
|----------|------------------------|-------------------------|----------|---|---|---|----------|----|---|----|----------|--------|----------|----|
|          | ieurgiiO<br>101<br>102 | T                       | 1        |   |   | 1 |          |    | 1 | _  | _        | Γ      | T        | ٦  |
| E.       | ě                      | 1                       | 1        |   | ١ |   |          |    | 1 |    |          |        | ١        |    |
| ű.       | 0                      | +                       | 4        |   | ╀ | 4 |          | ١- | 4 |    | _        | ╀╌     | 4        | -{ |
| -        | 101                    |                         | 4        |   | ╀ | 4 |          | -  | - |    | -        | ╁      | +        | {  |
|          | 103                    | ╁                       | ┥        | _ | ╁ | - |          | ╀  | + |    | -        | ╀      | +        | ┥  |
| -        | 104                    | ╁                       | $\dashv$ |   | ╀ | - | -        | ╁  | - |    | ┝        | ╁      | ┥        | -  |
| -        | 106                    | +                       | -        | _ | t |   | ┢        | ╁  | - | -  | ┪        | ╁      | +        | -  |
| $\vdash$ | 106                    | +                       | -        | Т | t |   | ┢        | t  | ٦ |    | ╅╌       | +      | 7        |    |
| $\vdash$ | 107                    | †                       | $\neg$   | Т | † | _ | -        | t  | ٦ | Т  | 1        | t      | 7        | -  |
|          | 108                    | 1                       |          | Г | † |   | Г        | t  | ٦ | _  | ✝        | 1      | 7        |    |
|          | 109                    | T                       | _        |   | Ī |   |          | 1  |   |    |          | 1      |          |    |
|          | 110                    |                         |          |   | I |   |          | Ι  |   |    | Γ        | Ι      |          |    |
|          | 111                    | $oldsymbol{\mathbb{I}}$ |          | L | Ι |   | L        | Ι  |   |    | L        | Ι      |          | _  |
|          | 112                    | 1                       |          | L | 1 |   | L        | 1  |   | L  | L        |        |          |    |
| L        | 113                    | 4                       |          | L | 4 | _ | L        | 1  |   | L  | L        | 1      | _        | _  |
| $\vdash$ | 114                    | 4                       |          | L | 4 |   | L        | 4  |   | 1  | Ļ        | 4      | 4        |    |
| $\vdash$ | 115                    | 4                       |          | 1 | 4 |   | 1        | 4  |   | 1  | 1        | 4      | 4        | -  |
| $\vdash$ | 116                    | 4                       |          | 1 | 4 | _ | +        | +  | _ | -  | +        | 4      | -        | -  |
| -        | 118                    | -                       |          | ╀ | 4 |   | ╁        | +  | - | ╀  | ╁        | +      | -        | -  |
| -        | 119                    | -                       |          | ╀ | + |   | ╀        | +  |   | ╁╌ | ╁        | +      |          | -  |
| $\vdash$ | 120                    | -                       |          | ╁ | ┨ |   | ╁        | ┪  | _ | ╁  | ┿        | +      |          | H  |
| -        |                        |                         | _        | ╀ | 4 |   | ╀        | +  |   | ╀  | ╁        | 4      | -        | -  |
| $\vdash$ | 121                    | $\dashv$                | _        | ╀ | ┥ |   | ╁        | ┪  |   | ╂╼ | ╁        | ┪      | _        | -  |
| -        | 123                    | -                       | -        | + | - | _ | ╁        | +  |   | 十  | ╁        | ┪      |          | ┝  |
| -        | 124                    |                         | -        | t | ٦ | - | +        | +  |   | ✝  | ╈        | +      |          | -  |
| H        | 125                    | _                       | ┢╌       | t | - | - | +        | 7  | _ | t  | +        | 7      |          | ┢  |
| H        | 126                    |                         | -        | † | ┪ | - | +        | 1  |   | T  | +        | 7      | _        | Γ  |
| H        | 127                    | _                       | -        | † | ٦ | Γ | †        | 7  |   | T  | T        | ٦      |          | Γ  |
|          | 128                    | _                       | Г        | † |   | _ | 1        | ٦  |   | 1  | T        |        | _        |    |
| F        | 129                    |                         | Γ        | 1 | _ | Г | 1        | ٦  |   | Τ  | I        | $\Box$ |          |    |
| -        | 130                    |                         | Γ        | 1 |   |   | Ι        |    |   | L  | $\perp$  |        |          | L  |
| r        | 131                    |                         |          | Ι |   |   | Ι        |    |   | L  | 1        |        |          | L  |
|          | 132                    |                         | $\Gamma$ | I |   | Ĺ | 1        |    |   | L  | 4        | _      | L        | 1  |
|          | 133                    |                         |          | Ţ |   | L | 1        |    | _ | 1  | 4        | _      | _        | 1  |
|          | 134                    |                         | L        | 1 | _ | L | 4        |    | L | 4  | 4        | _      | <u> </u> | Ł  |
| L        | 135                    |                         | L        | 1 |   | L | 4        | _  | - | 4  | 4        | _      | $\vdash$ | +  |
| L        | 136                    |                         | L        | 4 | _ | 1 | 4        | _  | - | +  | +        | _      | ┝        | +  |
| -        | 137                    | _                       | ╀        | 4 |   | L | +        |    | ⊦ | +  | +        |        | ┝        | ╁  |
| L        | 138                    | _                       | -        | 4 | _ | ┡ | +        |    | - | ╁  | +        |        | -        | +- |
| L        | 139                    | _                       | ╀        | + |   | + | +        | _  | ╀ | +  | +        |        | -        | +  |
| _        | 140                    | _                       | $\perp$  | 4 |   | ╀ | 4        |    | - | +  | -+       |        | -        | +  |
| L        | 141                    | <u> </u>                | Ļ        | 4 | _ | Ļ | 4        | _  | H | +  | 4        |        | ╀        | ╁  |
| L        | 142                    | <u> </u>                | 1        | 4 | _ | ╀ | +        | _  | ╀ | +  | +        |        | +        | +  |
| -        | 143                    | <u> </u>                | +        | 4 |   | ╀ | +        | _  | ╁ | +  | ᅱ        |        | H        | +  |
| L        | 144                    |                         | +        | 4 | _ | ╀ | +        | _  | ╀ | +  | 4        | _      | +        | +  |
| F        | 145                    |                         | ╀        | 4 | _ | ╀ | +        |    | ╀ | +  | ┥        | _      | t        | †  |
| -        | 146                    |                         | +        | + |   | + | +        |    | + | +  | $\dashv$ |        | t        | t  |
| -        | 147                    | -                       | ╀        | 4 | _ | ╁ | +        | _  | ╁ | +  | -        |        | t        | †  |
| -        | 148                    | -                       | +        | + | - | ╁ | +        |    | t | +  | 7        | _      | T        | T  |
| H        | 149                    | ┝                       | +        | + | - | t | $\dashv$ | _  | H | +  | -        |        | I        | I  |
| L        | 1130                   |                         | 1        |   | _ |   |          | _  | _ |    |          |        |          |    |

If more than 150 claims or 10 actines and 150 claims or 10 actines additional should be staple additional should b